# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 00:00 on Wednesday 16 Jun 2021 until 23:59 on Thursday 17 Jun 2021

Forecast Issued on Tuesday 15 Jun 2021 at 13:48

**Confidence:** High confidence for the transition to more unsettled conditions. Low for the timing and extent of precipitation.

**Headline for Wednesday 16 Jun 2021:** Dry and fine with variable amounts of cloud and strong sunshine. Thundery showers later in the evening.

**Mountain weather hazards on Wednesday 16 Jun 2021**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
No Likelihood

**Severe chill effect**
No Likelihood

**Poor visibility**
Low Likelihood

**Thunderstorms**
Low Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
High Likelihood

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Clear night | Clear night | Sunny | Sunny | Sunny intervals | Sunny intervals | Sunny intervals | Partly cloudy (night) |
| Precipitation probability | | | | | | | |
| <05% | <05% | <05% | <05% | <05% | <05% | <05% | 20% |

**Forecast for Wednesday 16 Jun 2021**

**Weather:** A dry, fine and very warm day, with some fair weather cloud bubbling up during the late morning and cloud thickening slightly for the afternoon. This may just touch the hilltops briefly, mainly in northwestern parts of the Park. Plenty of strong sunshine with long sunny spells, especially during the morning. Cloud thickening during the evening, with the chance of a heavy thundery shower by midnight.

**Chance of cloud free mountain/hill tops above 600m:** 90%

**Visibility:** Generally very good with clear views of distant hills. Very poor briefly on summits in hill fog with nearby landmarks obscured.

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# Mountain Weather Forecast

**Forecast for Wednesday 16 Jun 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 17/24 SW | 18/26 SW | 16/22 SW | 14/20 SW | 13/19 SW | 11/17 SW | 10/14 W | 8/12 W | 6/10 N |
| **300** | 10/17 SW | 11/19 SW | 10/16 SW | 11/16 SW | 10/16 SW | 10/16 W | 8/12 W | 7/12 NW | 5/8 W |
| **Valley** | 5/16 S | 5/17 S | 6/16 SW | 8/15 SW | 8/16 SW | 7/14 W | 7/13 W | 6/11 NW | 2/6 NW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 13/10 | 12/8 | 11/8 | 14/11 | 16/14 | 17/15 | 16/14 | 12/11 | 11/10 |
| **300** | 15/13 | 14/11 | 13/11 | 16/14 | 19/17 | 20/18 | 19/18 | 15/14 | 13/13 |
| **Valley** | 14/13 | 12/11 | 13/12 | 17/16 | 20/18 | 21/20 | 19/18 | 15/14 | 14/14 |
| **Freezing Level*** | 3200m | 3100m | 3100m | 3100m | 3200m | 3200m | 3000m | 3100m | 3100m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

A very warm day with strong sunshine, so UV protection and extra water is advisable.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 14:00 on Tue 15 Jun 2021 | N/A | N/A | N/A |

**Forecast for Thursday 17 Jun 2021**

**Weather:** Cloud soon thickening, with a plume of heavy thundery rain, perhaps with hail and gusty winds, pushing up from the south during the early hours. This plume is likely to clear the area during the afternoon, with sunny spells developing later.

**Maximum wind:** Northerly or northwesterly 10-15mph, gusting 20-25mph, but perhaps gusting up to 40mph near heavy showers.

**Chance of cloud free mountain/hill tops above 600m:** 80% becoming 30% during the early hours, then becoming 90% during the afternoon.

**Visibility:** Moderate or poor in heavy rain, or very poor in low cloud covering the hills with nearby landmarks obscured. Cloud bases down to 400m. Becoming good during the afternoon with clear views of distant hills.

**Temperature:** **Valleys:** Plus 10C becoming plus 17C
**At 600m:** Plus 14C becoming plus 10C
**Freezing level:** Above the summits

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